

DO NOT ENTER

GN 9/27/04

Application of Yakhini, et al.
Serial No. 09/921,406

AMENDMENT

Amendment To The Claims:

This listing of claims will replace all prior revisions, and listings, of claims in the application:

1. (Currently amended) A method of diagnosing an aggressive form of cancer, the method comprising steps of:

providing a genetic sample from a test sample of a tumor; and

analyzing expression of *Wnt5a* wherein increased expression of *Wnt5a* in the test sample compared to *Wnt5a* expression in a tumor having less than about 3.5% invasive ability indicates the tumor is aggressive and at least one gene selected from the group consisting of MART-1, p16, HADHB, CD63, ENDRB, PGAM1, HXB, RXRA, integrin b1, syndecan 4, tropomyosin 1, AXL, EphA2, GAP43, PFKF, synuclein a, annexin A2, CD20, and RAB2; and

identifying the tumor as aggressive or non-aggressive based on the expression pattern of the genes.

2. (Withdrawn) The method of claim 1, the method further comprising step of: selecting a treatment regimen for an individual with the tumor based on whether the tumor is aggressive or non-aggressive.

3. (Withdrawn) The method of claim 1, wherein the cancer is malignant melanoma.

4. (Currently Amended) A method of diagnosing an aggressive form of malignant melanoma, the method comprising steps of:

providing a genetic sample from a test sample of a tumor;

determining expression of *Wnt5a* wherein increased expression of *Wnt5a* in the test sample compared to *Wnt5a* expression in a tumor having non-detectable or no